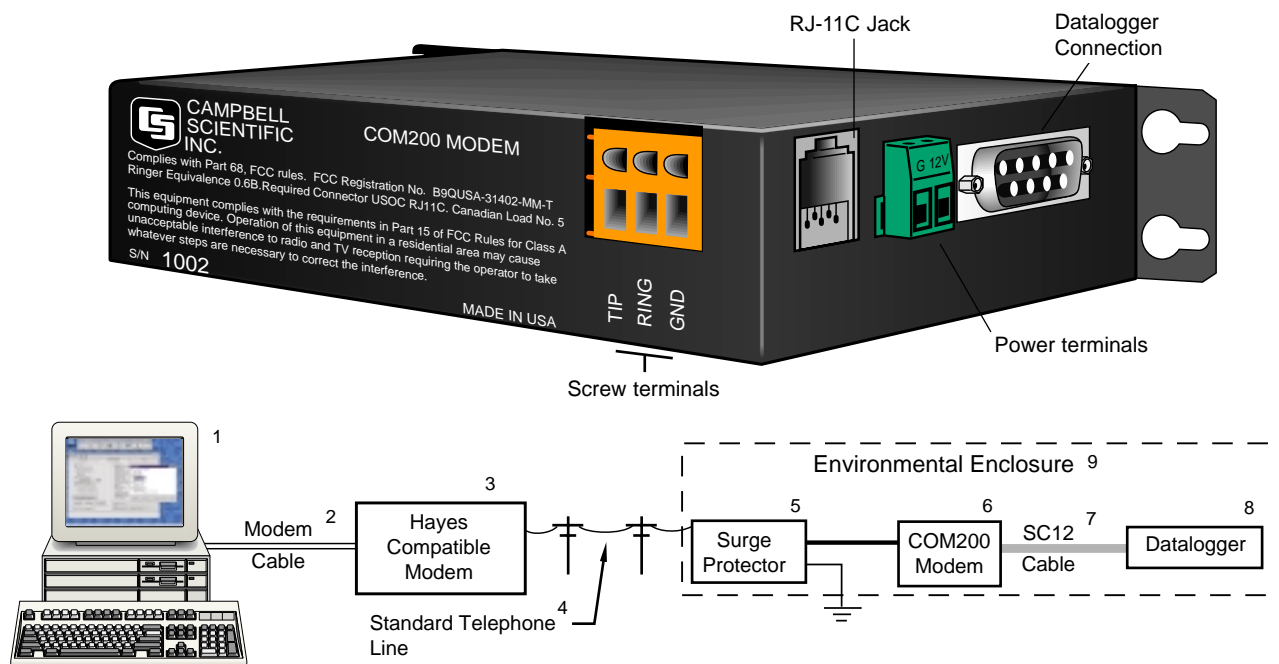# Telephone Modem
Model COM200

The COM200 Modem enables communication between a computer and a Campbell Scientific datalogger (CR510, CR500, CR10(X), 21X, CR23X, CR5000, or CR7) over a public switched telephone network. A Hayes-compatible modem is required at the computer; the COM200 is connected to the datalogger. The COM200's wide operating temperature range and low power requirements optimize it for use in remote applications.

PC208(W) Software for the IBM® PC computer supports error-checking, manual or automated dialing, and can run unattended to take advantage of lower off-hour telephone rates.

We also offer cellular transceivers and voice-synthesized modems; contact Campbell Scientific for additional information.

Hardware Requirements

At Computer Base Station

1) User-supplied IBM-compatible computer; CSI's Model PC208(W) Software required

2) Modem cable (7026 for 9-pin serial ports, SC25PS for 25-pin serial ports, or equivalent)

3) Customer-supplied, Hayes-compatible modem at computer

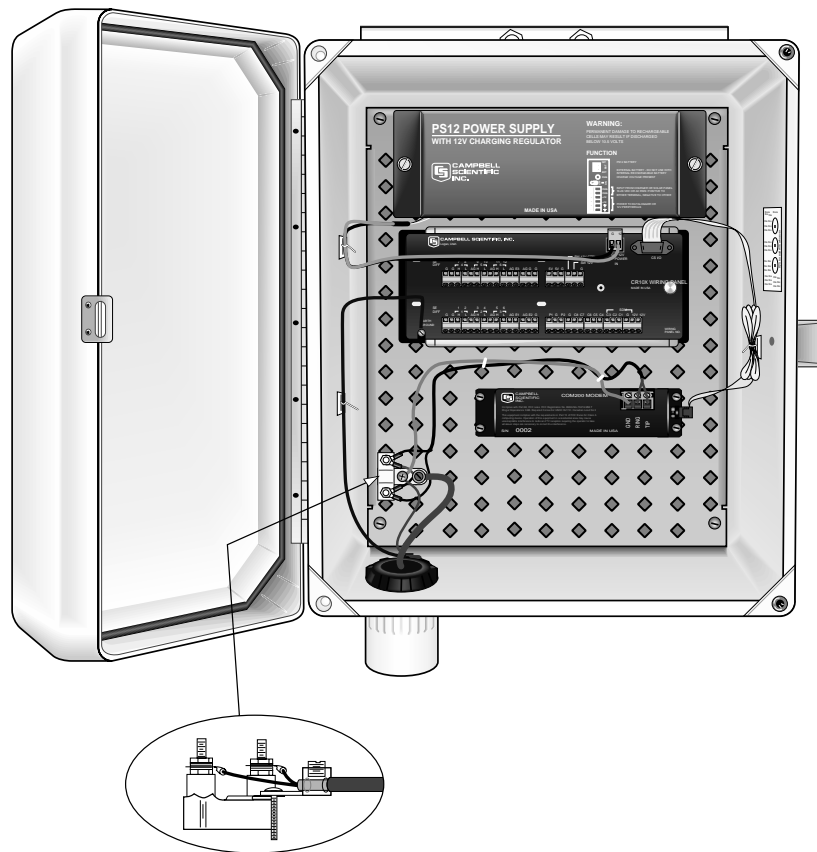4) Connection to a switched telephone network at field site

At Datalogger Site

5) Telephone Surge Protector at each datalogger site (if the telephone company has not installed surge protection)

6) COM200 Modem at each datalogger site; telephone line connected to COM200 by RJ-11C phone jack or screw terminals

7) SC12 cable, provided with COM200; the more rugged SC12R cable is available as an option

8) CR510, CR500, CR10(X), 21X(L), CR23X, CR5000, or CR7

9) Field use requires ENC 12/14 or ENC 16/18 enclosure

CAMPBELL SCIENTIFIC, INC.

COM200 in ENC 12/14 enclosure with CR10X datalogger, PS12 power supply, and enclosure-mounted surge protector (Model 6362).

COM200 Specifications

- Standards
  Bell 212A, CCITT V.22, V.32bis

- FCC Registration
  B9QUSA-31402-MM-T

- Operating voltage:
  12 volts

- Current drain
  100 μA quiescent
  140 mA active

- Bits per second (bps)
  300, 1200, 4800, 9600

- Operation
  Full-duplex over standard phone lines

- Operating temperature
  -25° to +50°C std, -55° to +80°C, optional

- Size
  5.2" x 1.7" x 3.6" (13.1 x 4.3 x 9.2 cm)

- Weight
  0.75 lbs (.34 kg)

- COM200 shipped with SC12 cable, ground cable, and telephone patch cord